

BRT brings opportunities and challenges

- New long term investment on MD 355 and Veirs Mill Road
- Address evolving mobility patterns car, metro, bus, ped, bike, Amtrak, MARC
 - Challenging intersections
 - Heavily used and aging Metro Station
- Build on Town Center development progress
 - County BRT Plan does not call for a specific cross section or BRT treatment within cities
- Revisit Rockville Town Center Master Plan ideas

Study Area |



- January to October 2015
- Staff workshops
- Interagency workshops

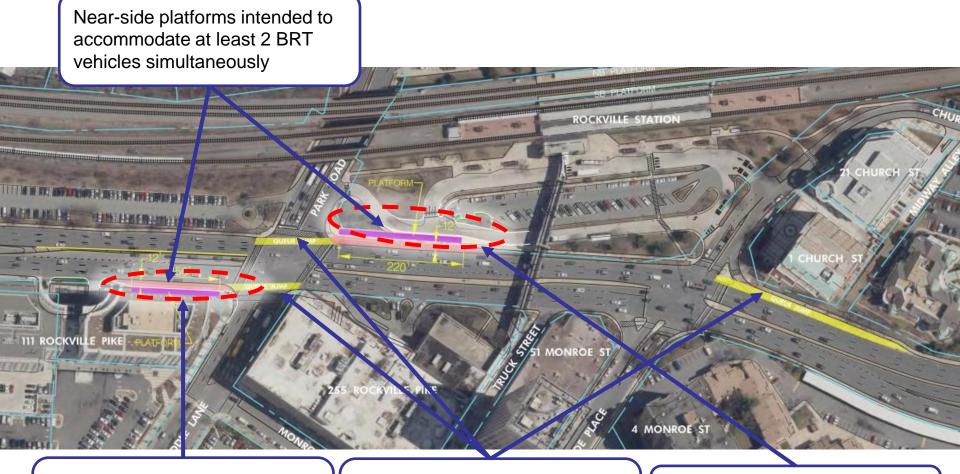


Montgomery County Executive's Office	WMATA
Montgomery County Department of Transportation	Rockville City Manager's Office
State Highway Administration	Rockville Community Planning
Maryland Transit Administration	Rockville DPW
Montgomery County Ride-On	Holland and Knight

- Integration Study initially identified 12 potential route and alignment alternatives
- Narrowed to 6 for study at May interagency workshop
- Narrowed to 3 for further study
 - BRT in mixed traffic with pullouts
 - BRT in a dedicated median on MD 355
 - BRT in a dedicated median on MD 355, through traffic in a tunnel

Design process was iterative; engineering and urban design

Mixed Traffic, Side BRT Station Alignment | Engineering Design Features



Sidewalk in front of Choice Hotels headquarters doubles as transit stop.

Opportunities for queue-jumps coming out of stops, and NB at Church Street

Need to reconfigure Metro Station layout slightly



Mixed Traffic, Side BRT Station Alignment | Urban Design Features



Mixed Traffic | Urban Design Features

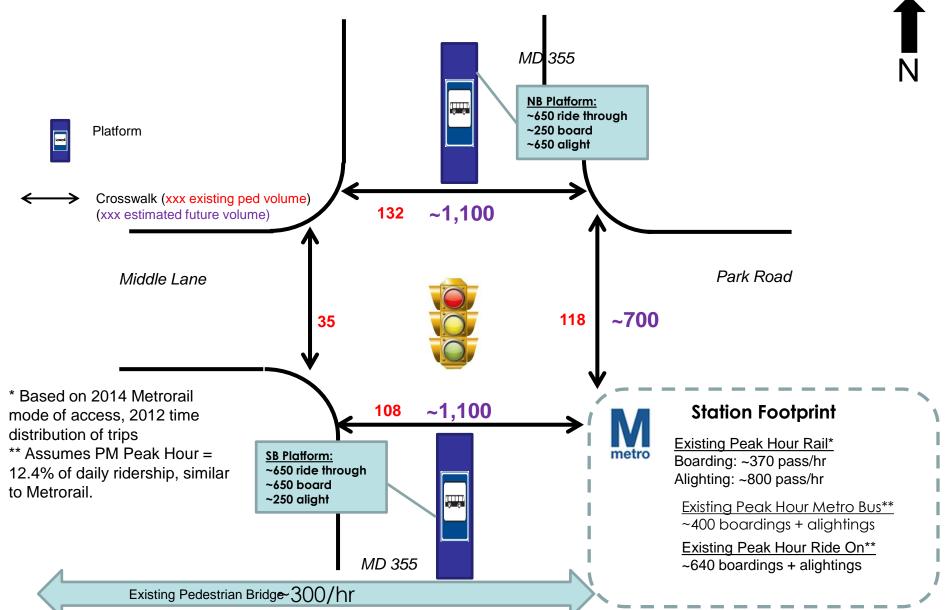








BRT in Median, at Grade | PM Peak Hour Pedestrian Activity



Continuous dedicated BRT lanes in Median with tunnel for through traffic | Concept 6

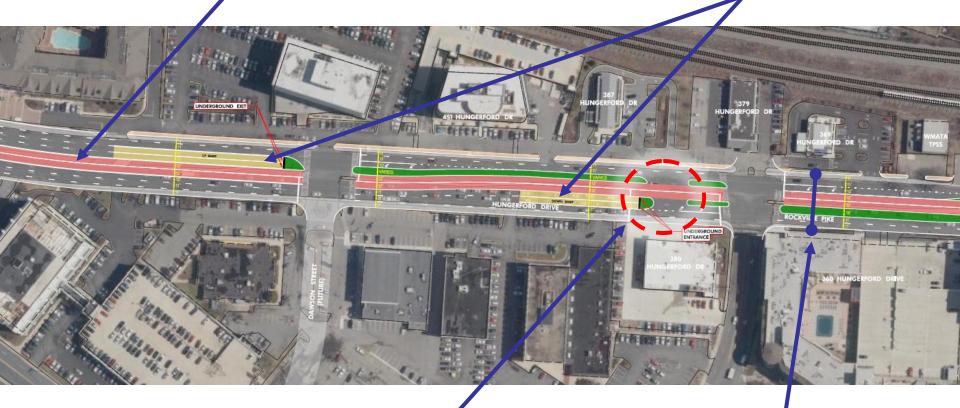


Continuous dedicated BRT lanes in Median with tunnel for through traffic |

Engineering Features

Continuous dedicated BRT lanes in median of 355

Two through lanes in either direction below grade. Tunnel entrances staggered to minimize ROW width.

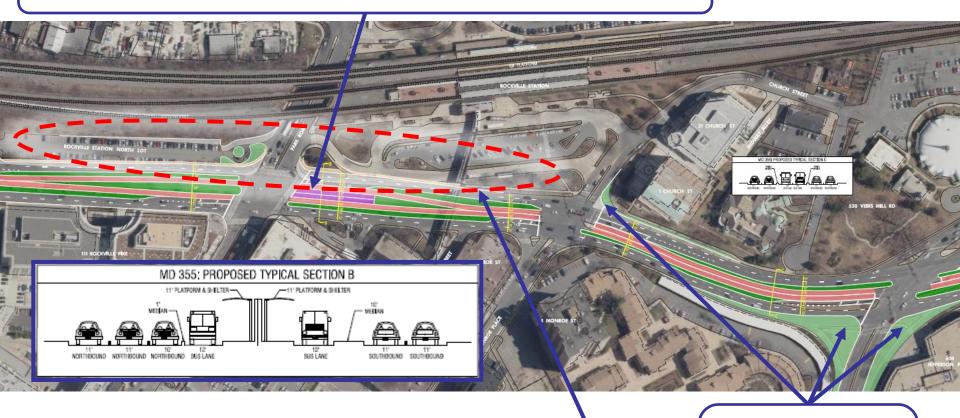


Left turns by emergency vehicles facilitated by breaks in medians, stop signal north of firehouse. Travel lanes reduced to two in each direction for duration of tunnel. Left turn lanes preserved where they currently exist.



Median with tunnel | Engineering Design Features

Center platform (approx. 22' wide) south of Park/Middle intersection provides best overall access to Metro Station and Town Center.



Some reconfiguring of Metro Station footprint necessary.

Less surface traffic allows for some reclaiming of paved areas.

Median, with Tunnel | Urban Design Features – Improved Crossings & Medians



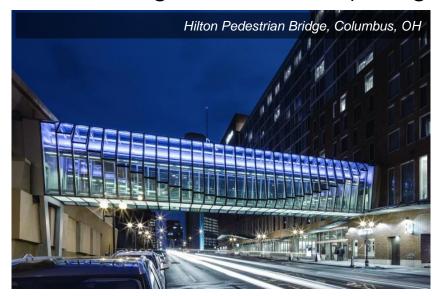
Median, with Tunnel | Urban Design Features - Other Signature Gateway Bridges



Signature bridge crossing from Metro Station to Town Center



Stairs, escalator and elevator transition to MD 355 crossing & Metro Station



High quality BRT station architecture and platform environments



Living bridge and promenade environment over MD 355



Median, with Tunnel | Transit-Oriented Redevelopment Vision



Median, with Tunnel | Transit-Oriented Redevelopment Vision



Median, with Tunnel | Urban Design Features



- BRT offers opportunities and challenges
- Accommodating BRT through Town Center requires trade-offs between motor vehicle, transit, pedestrian and bicycle needs
- BRT, without taking existing traffic lanes (re-purposing), needs right of way
- Existing right of way is limited, and acquiring it can be costly. An overly wide roadway is not desirable in Town Center
- BRT in mixed traffic with pull-outs and intersection improvements easy to implement in the short term
- BRT in a median with through traffic in a tunnel more complex, but offers greater Town Center integration potential and multimodal benefits